Sentiment Analysis A Probabilistic Approach

S.A. Gieske, S. Laan, C.R. Verschoor, D. Ten Velthuis A. Wiggers

> Faculty of Science (FNWI) University of Amsterdam

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- 1 The goal
- 2 Approach
- 3 Data Preprocessing
 - Data Cleaning
 - Data Manipulation
- 4 Classification
 - Perceptron
 - Support Vector Machine
 - Naive Bayes
 - Multiclassification with Perceptron
 - Entropy
 - Neural Network
- 5 Conclusion



The goal of the project

The goal

Project Description

Sentiment Analysis on messages about EO

- Classification sentiment vs. nonsentiment
- Classification positive vs. negative



Approach

Data Preprocessing

Which features are used?



Data Cleaning

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Data Cleaning

Data Cleaning

Hoe hebben we de data gecleaned



Data Manipulation

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Data Manipulation

Data Manipulation

Nog meer data manipulatie?



Classification



Classification

Perceptron

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Perceptron

Perceptron

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Classification

OOO
OOO
OOO
OOO
OOO

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Classification

Perceptron

Results

Support Vector Machine

- 1 The goa
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Support Vector Machine

Support Vector Machine

Classification

Support Vector Machine

Results

Naive Bayes

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Classification

Naive Bayes

Naive Bayes

Naive Bayes

Results

Classification



Multiclassification with Perceptron

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Multiclassification with Perceptron



Classification

Multiclassification with Perceptron

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Results

Classification

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Entropy

- 1 The goa
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Entropy

Entropy

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Entropy

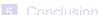
Results

Classification

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Neural Network

- 1 The goa
- 2 Approach
- 3 Data Preprocessing
 - Data Cleaning
 - Data Manipulation
- 4 Classification
 - Perceptron
 - Support Vector Machine
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Classification

Neural Network

Neural Network

Neural Network

Results

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Conclusion